

FLAME-RETARDANT COMPOSITION

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Abstract of JP 63020348 (A)

PURPOSE: To provide the title compsn. which has excellent flame retardance and electrical characteristics, is suitable for use in covering wires, cables, etc. and does not contain any halogen, by blending a specified mixture with an inorg. filler, a carbonization accelerator and a vulcanizing agent.

CONSTITUTION: Clay (a) is blended with at least one member (b) selected from the group consisting of talc, alumina, zinc borate, silica, Al(OH)₃, Mg(OH)₂, Sb₂O₃ and CaCO₃ in a weight ratio of (a) to (b) of 1-4 to obtain an inorg. filler (B). 100pts. (by weight; the same applies herebelow) mixture (A) of an ethylene/propylene copolymer (c) with a rubbery plastic contg. no halogen (e.g., butyl rubber) is blended with 200-400pts. component B, 5-35pts. carbonization accelerator (C) contg. no halogen selected from the group consisting of phosphoric ester compds.; (e.g., tricresyl phosphate), phosphate frit and ammonium tertiary phosphate and 0.1-10pts. vulcanizing agent (D) (e.g., tetramethylthiuram disulfide).

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